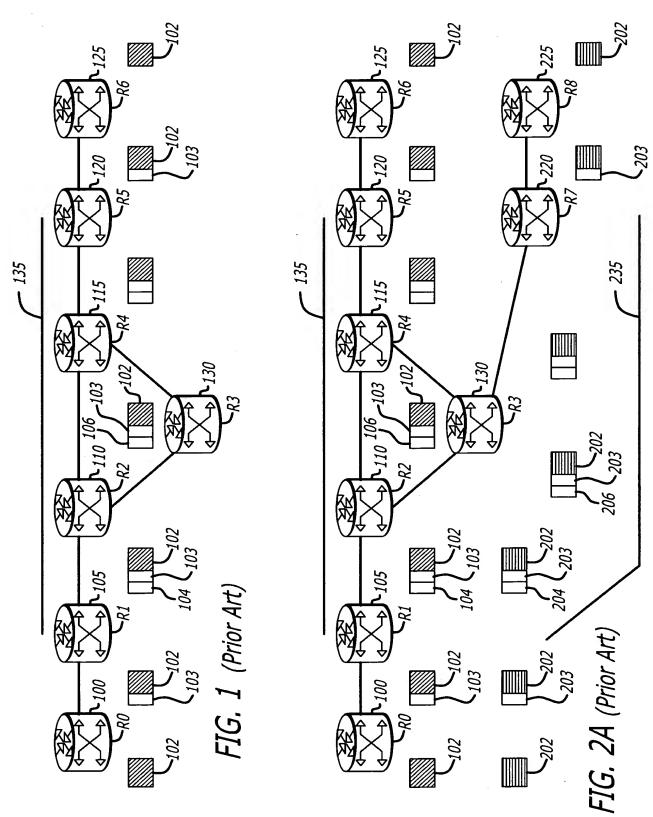


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Title: METHOD FOR FAST LABEL SWITCHOVER WITH MULTIPROTOCOL LABEL
SWITCHING

1st Named Inventor: Hariprasad R. Ginipalli Application No.: 09/967,174 Sheet: 1/5

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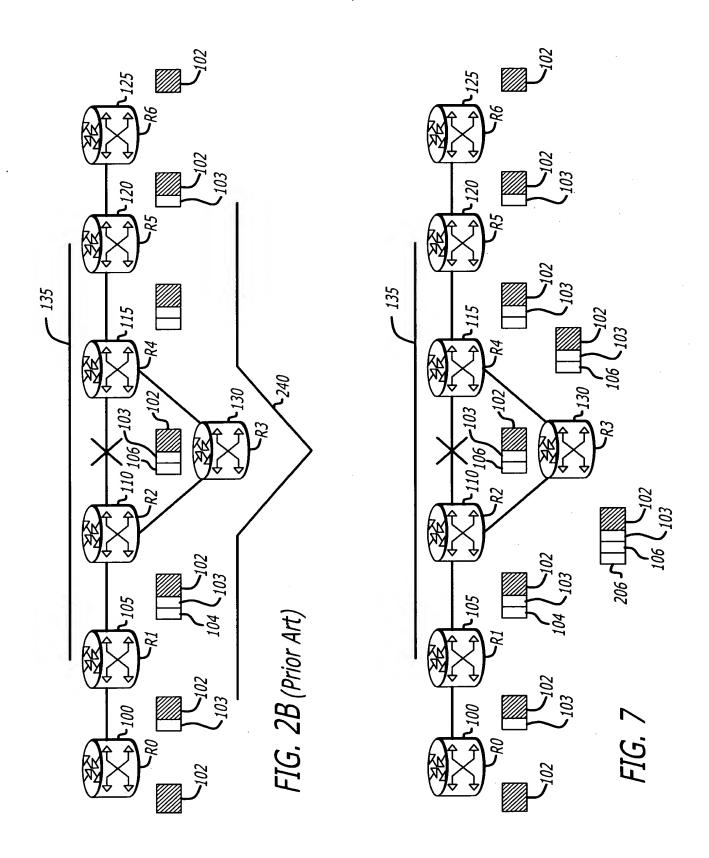
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<i>305</i> 7	310	315	320		
			<u> </u>		
ATM id	VC	Tunnel	Interface		
	Label	Label			
10/100	100	20 -> 40	1 -> 3		
20/200	200	20 -> 40	1 -> 3		
30/300	300	30	2		
40/400	400	20 -> 40	1 -> 3		

FIG. 3 (Prior Art)

405	410 <b>\</b>	415 <b>\</b>
ATM id	VC Label	Group id
10/100	100	1
20/200	200	1
30/300	300	2
40/400	400	1

FIG. 4

520 <b>\</b>	525 <b>\</b>	530 <b>\</b>
Group id	Tunnel Label	Interface
1	20 -> 40	1 -> 3
2	30	.3
3	40	2
4	50	5

BkL = 50 $TL = 40$	<b>~</b> 1010 <b>~</b> 1005	
VCL = 100	1000	
Data	FIG. 10	)B

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<i>520</i>	525 <b>\</b>	530 <b>\</b>	835	840	845
Group id	Tunnel Label	Original Interface	Backup Label Enable	Backup Label	New Interface
1	20 -> 40	1 -> 3	NO	1	2
2	30	3	NO	1	3
3	40	2	NO	2	4
4	50	5	NO	1	4

FIG. 8

<i>520</i>	<i>525</i>	<i>530</i>	<i>835</i>	<i>840</i>	<i>845</i>
<u> </u>	<u> </u>		<u> </u>	<u> </u>	
Group	Tunnel	Original	Backup	Backup	New
id	Label	Interface	Label	Label	Interface
			Enable		
1	20	1	YES	50	2
2	30	3	NO	60	3
3	40	2	NO	70	4
4	50	5	NO	80	4

FIG. 9

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